

Title (en)  
A METHOD OF MANUFACTURING A CERAMIC LIGHT TRANSMITTING BARRIER CELL, AND A BARRIER CELL PRODUCED BY THAT METHOD

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER KERAMISCHEN LICHTÜBERTRAGENDEN BARRIEREZELLE UND DURCH DAS VERFAHREN HERGESTELLTE BARRIEREZELLE

Title (fr)  
PROCÉDÉ DE FABRICATION D'UNE CELLULE BARRIÈRE EN CÉRAMIQUE LAISSANT PASSER LA LUMIÈRE ET CELLULE BARRIÈRE OBTENUE PAR CE PROCÉDÉ

Publication  
**EP 3077167 A1 20161012 (EN)**

Application  
**EP 14805613 A 20141202**

Priority

- EP 13195528 A 20131203
- EP 2014076214 W 20141202
- EP 14805613 A 20141202

Abstract (en)  
[origin: WO2015082452A1] A method 100 of manufacturing a ceramic light transmitting barrier cell for enclosing a luminescent material and such a ceramic light transmitting barrier cell are provided. A part of a pre-formed barrier cell is formed 102 by providing a material mix comprising a binder and inorganic particles in a first mold. On the part is provided 104 a sacrificial layer for defining a cavity. A remainder part of the pre-formed barrier cell is formed 106 by providing the material mix in a second mold which already comprises the part with the sacrificial layer. The sacrificial layer is at least partially removed 112 to obtain the cavity. Optionally, the pre-formed barrier cell is heated 114, 116 (and/or sintered) to obtain the ceramic light transmitting barrier cell. The method 100 of manufacturing is suitable for producing at large scale relatively cheap and accurately formed ceramic light transmitting barrier cells.

IPC 8 full level  
**B28B 1/24** (2006.01); **H05B 33/10** (2006.01)

CPC (source: EP KR US)  
**B28B 1/00** (2013.01 - KR); **B28B 1/24** (2013.01 - EP KR US); **B28B 1/26** (2013.01 - KR); **B28B 3/00** (2013.01 - KR); **B29C 39/22** (2013.01 - KR); **B29C 45/77** (2013.01 - KR); **C08L 25/06** (2013.01 - KR); **C08L 77/00** (2013.01 - KR); **C09K 11/00** (2013.01 - EP US); **C09K 11/08** (2013.01 - KR); **C09K 11/7706** (2013.01 - KR); **F21K 9/64** (2016.07 - KR); **F21V 3/08** (2018.01 - EP KR US); **F21V 3/12** (2018.01 - KR US); **F21V 31/005** (2013.01 - KR US); **H01L 33/505** (2013.01 - KR); **C09K 11/08** (2013.01 - EP US); **F21K 9/64** (2016.07 - US); **F21Y 2115/10** (2016.07 - KR US); **H01L 33/505** (2013.01 - EP US)

Citation (search report)  
See references of WO 2015082452A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2015082452 A1 20150611**; CN 105764658 A 20160713; CN 105764658 B 20200114; EP 3077167 A1 20161012; EP 3077167 B1 20190904; JP 2017507802 A 20170323; JP 6596420 B2 20191023; KR 102313390 B1 20211018; KR 20160095038 A 20160810; TW 201530831 A 20150801; TW I632705 B 20180811; US 10060596 B2 20180828; US 2017051892 A1 20170223

DOCDB simple family (application)  
**EP 2014076214 W 20141202**; CN 201480066280 A 20141202; EP 14805613 A 20141202; JP 2016535215 A 20141202; KR 20167017727 A 20141202; TW 103141661 A 20141201; US 201415039288 A 20141202